



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

10/17/91

CC: CSE
D. Dennis

Comment ASAP.

Fred

UTAH DIVISION OF OIL, GAS AND MINING FACSIMILE TRANSMISSION COVER SHEET

OK by me
except items 5.
What is the
intent w/ this
what can
we submit?
C

DATE:

Oct. 18, 1991

FAX #

250-6723

ATTN:

Fred Fox

COMPANY

Kennecott

FROM:

Holland Shepherd

DEPARTMENT:

Oil, Gas & Mining

NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): 3

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a Murata facsimile Machine. Our telecopier number is (801) 359-3940.

MESSAGES:

DRAFT

October 9, 1991

DRAFT

*SPW/RW
Seminole*

Ms. Cindy Emmons
Director Environmental Affairs
Kennecott Utah Copper
P. O. Box 525
Bingham Canyon, Utah 84006-0525

Dear Ms. Emmons:

Re: Discussion of Reclamation Issues During Meeting Between Kennecott and
Division Staff on October 3, 1991, M/035/002, Salt Lake County, Utah

On October 3, 1991, Holland Shepherd and I met with Fred Fox and Don Deines of your staff, to discuss the resolution of several ongoing issues initiated by the Division in September of 1989. This letter addresses our understanding of the agreements made during our meeting and the specific time frames that were established for accomplishing various goals. The following list outlines the items which were discussed.

1. **Maps** - Kennecott personnel indicated that a set of maps would be available by November 15, 1991. The maps will display areas disturbed by mining post May 1975. ^{if available} ~~The maps will also display areas which have been reclaimed since May of 1975, and associated pre-law mining disturbance (areas which would not fall under the Division's jurisdiction).~~ The Division has requested a set of small scale maps or map and a set of large scale maps (please refer to the 5/24/91).
2. **Topsoil Salvage** - The Division has asked that Kennecott identify areas from which topsoil is being salvaged and then stockpiled. A summary of these areas will be provided in the operator's annual report to be submitted by March 1, 1992. Kennecott has committed to continue to salvage topsoil from all areas where it is safe to do so. Kennecott has also committed to draft topsoil stockpiling standards for our review.
3. **Final Pit Closure** - Kennecott personnel have committed to putting together a conceptual list of closure items for the pit. The closure items would be directed at the elimination of public health and safety and environmental hazards posed by the pit. The list of items should be provided to the Division by March 1, 1991.

DOGM's list

*Access to dump area, results of test plot
direct seeding*

4. **Evaluation of Waste Dump Materials** - Kennecott has committed to summarize any existing information pertaining to the characterization of waste dump materials. This information will be placed in the operator's annual report due by March 1, 1992. Though not discussed at the meeting, the Division will ask that a summary of any information characterizing the leached waste dump materials also be made. The Division will evaluate the information, and will make a determination as to whether or not supplemental information will be required.
5. **Design of Future and Active Waste Dumps** - Kennecott has committed to providing the Division with a summary of ~~design practices~~ ^{confidential information} for the waste dumps by November 15, 1991. This information will include current design practices and plans for future dump development. As promised to Mr. Deines during the meeting, we have enclosed a copy of an article on wrap-around dump design. *As discussed at following meetings*
6. **Reclamation Techniques to be Used in This Years Reclamation Program** - Kennecott has committed to provide the Division with a status report of all the 1991 reclamation projects by November 15, 1991. Results from the various test plots and reclaimed areas will be provided in the operator's 1991 annual report, due March 1, 1992.

During the meeting, we discussed the possibility of separating the Bingham Pit Mine Permit from that of the Modernization Project. This would eliminate some of the confusion when accessing information concerning a specific site, and would help in separating bonding and permitting issues, between the two sites. Please be advised if Kennecott Management concurs with separate permit numbers, we will assign these sites new #'s accordingly.

Because the resolution of these issues has been outstanding for such a lengthy period, the Division will require that Kennecott meet the specified time frames to remain in compliance. Thank you for your cooperation in addressing these issues.

Sincerely,

D. Wayne Hedberg
Permitting Supervisor
Minerals Regulatory Program